



06 - SITE ILLUMINATION

INDEX OF DRAWINGS

[illegible]

		-	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	DESIGNER/DRAFTER: MD/MB CHECKED BY: RG	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/ BLOCK:  VN ENGINEERS, INC 116 WASHINGTON AVE N. HAVEN, CT 06473 (203) 234-7862	PROJECT TITLE: NEW HAVEN - HARTFORD SPRINGFIELD RAIL CORRIDOR	TOWN: MERIDEN	PROJECT NO. 170-3155
		-					DRAWING TITLE: DRAWING INDEX	DRAWING NO. SLI-001	SHEET NO. 03.06.001
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 2/4/2014	Filename: ...\\FA_CGR_CPS_0170-2296_079...06_SLI...001.dgn				

GENERAL ELECTRICAL NOTES

1. GENERAL: UNLESS SPECIFICALLY INDICATED OTHERWISE, ALL WORK SHOWN ON ELECTRICAL DRAWINGS IS NEW WORK TO BE PROVIDED UNDER THIS CONTRACT.

2. COORDINATION: COORDINATE AND COOPERATE WITH ALL TRADES ON THE PROJECT. THE CONTRACTOR SHALL REVIEW ALL CONTRACT DOCUMENTS INCLUDING CIVIL, STRUCTURAL, ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL COORDINATE AND ADJUST ACCORDINGLY AS DIRECTED BY THE ENGINEER.

3. RECORD DRAWINGS: SECURE AN EXTRA SET OF ELECTRICAL DRAWINGS TO BE KEPT ON SITE AND MARK, DAILY, THE DRAWINGS IN RED AS THE PROJECT PROGRESSES IN ORDER TO KEEP AN ACCURATE RECORD OF ALL DEVIATIONS BETWEEN THE WORK SHOWN ON THE DRAWINGS AND THE WORK WHICH IS ACTUALLY INSTALLED. THESE MARKED DRAWINGS SHALL REFLECT ANY AND ALL CHANGES AND REVISIONS TO THE ORIGINAL DESIGN WHICH EXISTS IN THE COMPLETED WORK. DELIVER THE MARKED DRAWINGS TO THE ENGINEER AT PROJECT CLOSE-OUT.

4. TESTS: TEST ALL WIRING FOR CONTINUITY AND GROUNDS BEFORE CONNECTING ANY FIXTURES OR DEVICES. PERFORM INSULATION RESISTANCE TESTS ON ALL WIRING TO INSURE THAT ALL PORTIONS ARE FREE FROM SHORT-CIRCUITS AND GROUNDS.

5. INSPECTIONS: ARRANGE ALL NECESSARY INSPECTIONS. DELIVER ALL REQUIRED INSPECTION CERTIFICATES TO THE OWNER.

6. ELECTRICAL SERVICE: PROVIDE THE ELECTRICAL SERVICE. COMMUNICATE WITH THE LOCAL POWER COMPANY, VERIFY ALL REQUIREMENTS, AND COORDINATE ALL EFFORTS.

7. GROUNDING: PROVIDE GROUNDING IN ACCORDANCE WITH THE NEC FOR THE ENTIRE ELECTRICAL SYSTEM INCLUDING EQUIPMENT FRAMES CONDUITS, SWITCHES, CONTROLLERS, WIRE-WAYS, NEUTRAL CONDUCTORS, AND OTHER EQUIPMENT. PROVIDE A GROUNDING CONDUCTOR IN ALL POWER CONDUITS.

8. J-BOX LABELING: LABEL ALL JUNCTION BOXES WITH PERMANENT MARKER IDENTIFYING CIRCUIT NUMBER AND PANELBOARD OF CIRCUITS WITHIN.

9. CONDUCTORS: IN SITUATIONS WHERE CONDUCTOR SIZES AND/OR QUANTITIES OF PARALLEL SETS HAVE BEEN INCREASED DUE TO VOLTAGE DROP OR FOR OTHER REASONS, CONTRACTOR SHALL PROVIDE THE APPROPRIATE LUG SIZES/QUANTITIES WITHIN THE EQUIPMENT CONNECTED (PANELBOARD, ETC.) TO PERMIT SATISFACTORY CONNECTION OF THE INDICATED CONDUCTORS. WHERE SUFFICIENT LUG SIZES AND/OR QUANTITIES CANNOT BE PROVIDED TO ACCOMMODATE THE CONDUCTORS INDICATED, THEN PROVIDE REDUCING ADAPTERS, PIN TERMINALS, OR A JUNCTION BOX TO SPLICE LARGER CONDUCTORS TO APPROPRIATELY SIZED SMALLER CONDUCTORS TO FIT INTO THE LUGS PROVIDED. ALL CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH THE NEC. CONDUCTOR TYPE: XHHW RATED FOR 600 VOLT CIRCUITS








10. CONNECTION DETAILS: SECURE APPROVED SHOP DRAWINGS SHOWING WIRING DIAGRAMS, ROUGH-IN AND HOOK UP DETAILS FROM OTHER INVOLVED TRADES FOR EQUIPMENT WHICH MUST BE CONNECTED ELECTRICALLY.

CONDUIT NOTE

ALL CONDUITS SHALL BE CONCEALED FROM VIEW. CONDUITS SHALL BE ROUTED UNDER SLAB WHERE NECESSARY IN AREAS WHERE WINDOWS OBSTRUCT CONDUIT PATHS.

ELECTRICAL LEGEND

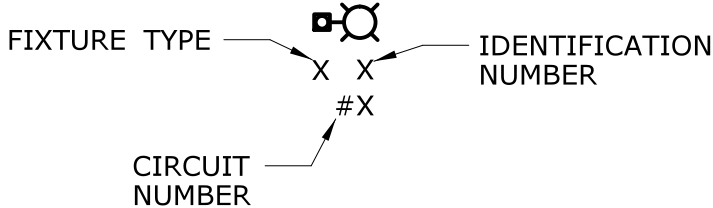
LIGHTING

- 
- AREA SITE LIGHTING FIXTURE
- 
- LIGHTING FIXTURE TO BE REMOVED/ RELOCATED BY UTILITY COMPANY
- 
- LIGHTING FIXTURE TO BE RELOCATED BY UTILITY COMPANY
- 
- LIGHTING FIXTURE TO REMAIN
- 
- CONCRETE HANDHOLE TYPE I
- 
- LIGHTED BOLLARD
- 
- LIGHTED COLUMN

POWER

ELECTRICAL CIRCUIT RUN IN CONDUIT AND CIRCUIT HOMERUN TO PANELBOARD (PANEL AND CIRCUIT DESIGNATION AS INDICATED). AS A MINIMUM CONDITION, EACH SINGLE PHASE CIRCUIT SHALL HAVE 1 #10 PHASE CONDUCTOR, 1 #10 NEUTRAL CONDUCTOR AND 1 #10 GROUNDING CONDUCTOR IN 1-1/2" CONDUIT. PROVIDE ADDITIONAL PHASE CONDUCTORS AS REQUIRED FOR "MULTIPLE PHASED" ELECTRICAL LOADS. PROVIDE NEUTRAL CONDUCTOR TO ALL WALL SWITCH OUTLET BOXES WHETHER REQUIRED OR NOT. PROVIDE ADDITIONAL "SWITCH LEG" CONDUCTORS TO PROVIDE THE LIGHT FIXTURE CONTROL INDICATED. MULTIPLE SINGLE PHASE CONDUCTORS MAY BE GROUPED TOGETHER IN A COMMON CONDUIT IN ACCORDANCE WITH THE NEC AND AT THE CONTRACTOR'S DISCRETION. GROUNDING CONDUCTORS MAY BE SHARED AS ALLOWED BY THE NEC. NEUTRAL CONDUCTORS SHALL NOT BE SHARED. MULTI-POLE BREAKERS SHALL BE PROVIDED IN ACCORDANCE WITH THE NEC SHOULD MULTI-WIRE BRANCH CIRCUITS BE INSTALLED. CONDUIT LARGER THAN 1/2" AND CONDUCTORS LARGER THAN #10 SHALL BE AS INDICATED.

TYPICAL ILLUMINATION UNIT



ABBREVIATIONS

- AFG
- ABOVE FINISHED GRADE
- AV
- AUDIO VISUAL
- BFG
- BELOW FINISHED GRADE
- BOF
- BOTTOM OF FIXTURE
- C
- CONDUIT
- EC
- EMPTY CONDUIT
- ETR
- EXISTING TO REMAIN
- FOC
- FACE OF CURB
- FOF
- FACE OF FOUNDATION
- GFI
- GROUND FAULT INTERRUPTER
- GND
- GROUND
- HID
- HIGH INTENSITY DISCHARGE
- KVA
- KILO-VOLT-AMPERES
- KW
- KILO-WATTS
- LTG
- LIGHTING
- MTD
- MOUNTED
- NEC
- NATIONAL ELECTRICAL CODE
- NTS
- NOT TO SCALE
- OC
- ON CENTER
- P
- POLE
- PF
- POWER FACTOR
- Ø
- PHASE
- TYP
- TYPICAL
- UON
- UNLESS OTHERWISE NOTED
- W
- WATTS/WIRE
- WP
- WEATHERPROOF

LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER (OR APPROVED EQUAL)	VOLTAGE	CONDUCTOR TYPE	LAMPS	FIXTURE DESCRIPTION
A	LUMEC DOS-40W30LED4K-ES-LE4F-277-DBG-1A-COLTX POLE: SM63V-13.5 MOUNTING: DBG-1A COORDINATE CUSTOM FINISH W/ARCH	277	XHHW, 600V	(1) 45W LED 4,000° K	WALKWAY FIXTURE, POLE MOUNTED W/B.O.F. @14FT AFG. ALUMINUM HOUSING, SEALED TEMPERED GLASS LENS. STEEL POLE MOUNTED ON CONCRETE FOUNDATION 2FT ABOVE GRADE.
	LUMEC DMS50-80W48LED4K-R-LE4F-277-PC-1A-COLTX POLE: SM8V-20 MOUNTING: PS-1A COORDINATE CUSTOM FINISH W/ARCH			(1) 79W LED 4,000° K	PARKING LOT FIXTURE, POLE MOUNTED W/B.O.F. @20FT AFG. ALUMINUM HOUSING, SEALED TEMPERED GLASS LENS. STEEL POLE MOUNTED ON CONCRETE FOUNDATION 2FT ABOVE GRADE.
C	LUMEC DMS50-80W48LED4K-R-LE4F-277-PC-2-COLTX POLE: SM8V-20 MOUNTING: PS-2A COORDINATE CUSTOM FINISH W/ARCH	277	XHHW, 600V	(2) 79W LED 4,000° K	PARKING LOT FIXTURE, POLE MOUNTED BACK-TO-BACK W/B.O.F. @20FT AFG. ALUMINUM HOUSING, SEALED TEMPERED GLASS LENS. STEEL POLE MOUNTED ON CONCRETE FOUNDATION 2FT ABOVE GRADE.
	LUMEC - DOS B1 LIGHTED BOLLARD DOSB1-30W16LED4K-277-VPA-COLTX OR APPROVED EQUAL COORDINATE CUSTOM FINISH W/ARCH			(1) 30W LED 4,000° K	SITE LIGHTING BOLLARD. DIE CAST ALUMINUM CONSTRUCTION, TAMPER RESISTANT HARDWARE. FULL CUT-OFF OPTICAL SYSTEM. CUSTOM PAINTED TO MATCH EXTERIOR WALL SCONCE.
E	FORMS & SURFACES LIGHT COLUMN SERIES 600 OR APPROVED EQUAL COORDINATE CUSTOM FINISH W/ARCH	277	XHHW, 600V	(4) 28W LED 4,000° K	WALKWAY LIGHT COLUMN, W/B.O.F. @7'-3" AFG.


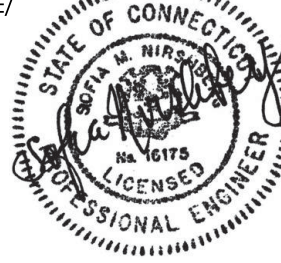
- NOTES:
- REFER TO THE ELECTRICAL SPECIFICATION FOR ADDITIONAL GENERAL REQUIREMENTS.
 - FIXTURES SHALL BE UL OR ETL LISTED
 - MOUNTING HARDWARE SUCH AS HANGERS, BRACKETS, RAILS, YOKES, STEMS, CHAINS, ECT., SHALL BE PROVIDED AS NECESSARY TO MOUNT SPECIFIED FIXTURE.
 - FIXTURES SHALL BE SEISMICALLY SUPPORTED AS REQUIRED BY THE APPLICABLE BUILDING CODE.
 - FIXTURE TYPES B AND C SHALL BE RATED TO HAVE A MAXIMUM OF THREE SECURITY CAMERAS EACH MOUNTED TO THE FIXTURE POLE IN THE FILED WITH A DEFLECTION RATING OF LESS THAN 3.0.

POWER DENSITY STATISTICS

NAME	#LUMINARES	TOTAL WATTS	AREA	DENSITY
BUS DROP OFF POWER DENSITY ZONE	12	1503.2 W	26730.0 SQFT	0.1 W/SQFT
NORTH PARKING POWER DENSITY ZONE	12	1603.4 W	31063.2 SQFT	0.1 W/SQFT

STATISTICS

DESCRIPTION	AVG	MAX	MIN	MAX/MIN	AVG/MIN
BUS AREA	1.2fc	3.3fc	0.6fc	5.5:1	2.0:1
PARKING AREA	1.9fc	5.6fc	0.9fc	6.2:1	2.1:1
SIDEWALK	2.4fc	5.0fc	0.5fc	10.0:1	4.8:1
SIDEWALK/WAITING AREA	1.7fc	5.7fc	0.3fc	19.0:1	5.7:1
STATE STREET	1.3fc	3.8fc	0.3fc	12.7:1	4.3:1
WALK TO E. MAIN	0.8fc	1.6fc	0.3fc	5.3:1	2.7:1
WALKWAY	3.1fc	14.6fc	0.3fc	48.7:1	10.3:1
WALKWAY #2	1.5fc	5.9fc	0.3fc	19.7:1	5.0:1

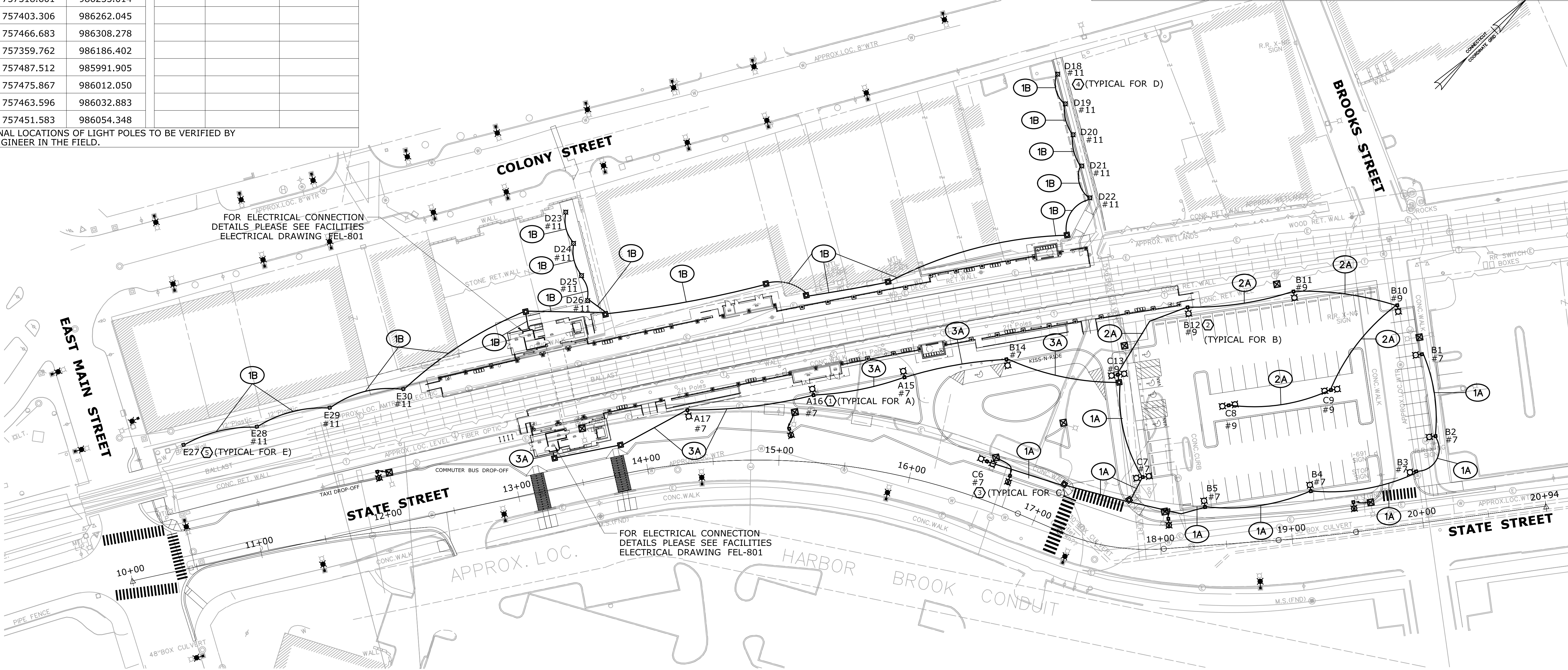
-	-	-	-	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	DESIGNER/DRAFTER: MD/MB CHECKED BY: RG SCALE AS NOTED	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Filename: FA_CON_PDM_0170-2296_007_04_CIV_STAGE_PLN-001.dgn	 VN ENGINEERS, INC 116 WASHINGTON AVE N. HAVEN, CT 06473 (203) 234-7862	PROJECT TITLE: NEW HAVEN - HARTFORD SPRINGFIELD RAIL CORRIDOR	TOWN: MERIDEN	PROJECT NO. 170-3155 DRAWING NO. SIL-001 SHEET NO. 03.06.002
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REV.	DATE	REVISION	DESCRIPTION	SHEET NO.	Plotted Date: 2/4/2014					

LIGHT POLE LOCATIONS					
LOCATION	NORTHING	EASTING	LOCATION	NORTHING	EASTING
A15	757243.112	986074.134	D22	757438.990	986075.923
A16	757184.480	986035.298	D23	757148.282	985804.273
A17	757108.388	985976.129	D24	757135.806	985825.330
B1	757534.989	986337.452	D25	757122.973	985847.001
B2	757498.664	986388.945	D26	757112.922	985863.811
B3	757469.361	986397.723	E27	756817.737	985726.275
B4	757401.865	986352.236	E28	756867.076	985755.561
B5	757336.280	986304.392	E29	756916.495	985784.139
B10	757547.749	986297.834	E30	756966.195	985813.327
B11	757499.028	986235.062			
B12	757433.386	986187.176			
B17	757307.828	986118.658			
C6	757242.852	986163.488			
C7	757318.601	986255.014			
C8	757403.306	986262.045			
C9	757466.683	986308.278			
C13	757359.762	986186.402			
D18	757487.512	985991.905			
D19	757475.867	986012.050			
D20	757463.596	986032.883			
D21	757451.583	986054.348			
NOTE: FINAL LOCATIONS OF LIGHT POLES TO BE VERIFIED BY ENGINEER IN THE FIELD.					

SITE LIGHTING FEEDER SCHEDULE			
CIRCUIT SYMBOL	CIRCUIT NUMBER	CONDUCTORS (1PH, 2W) WITH GROUND	CONDUIT SIZE
1A	7	2#10 & 1#10G	1-1/2"
2A	9	2#10 & 1#10G	1-1/2"
3A	7,9	4#10 & 1#10G	1-1/2"
1B	11	2#10 & 1#10G	1-1/2"
NOTES: 1.SEE SIL-004 FOR TRENCH DETAILS			

KEY NOTES	
1	SEE A/SIL-004 FOR MOUNTING DETAILS
2	SEE B/SIL-004 FOR MOUNTING DETAILS
3	SEE C/SIL-004 FOR MOUNTING DETAILS
4	SEE G/SIL-003 FOR MOUNTING DETAILS
5	SEE H/SIL-003 FOR MOUNTING DETAILS

GENERAL NOTES - LIGHTING	
1.	REFER TO DRAWING SIL-001 FOR LIGHTING FIXTURE SCHEDULE.
2.	REFER TO DRAWING SIL-001 FOR DESCRIPTIONS OF SYMBOLS, ABBREVIATIONS AND NOTES.
3.	COMBINE CIRCUITS IN CONDUITS TO LIMIT TOTAL NUMBER OF CONDUITS. DERATE WIRING PER NEC ADJUSTMENT FACTORS.
4.	PULLBOXES, JUNCTION BOXES AND ENCLOSURES SHALL BE NEMA 4X(STAINLESS STEEL WITH CONTINUOUS NEOPRENE GASKET AND STAINLESS STEEL HARDWARE).
5.	BRANCH CIRCUIT WIRING IS SHOWN DIAGRAMMATIC. ROUTE CONDUIT IN INCONSPICUOUS LOCATIONS IN NEAT ORDERLY MANNER.
6.	ALL EXPOSED AND UNDERGROUND CONDUITS SHALL BE SCHEDULE 80 PVC UNLESS NOTED OTHERWISE.
7.	FOR POLE-MOUNTED SITE LIGHTING FIXTURES, WIRE 2#10, #10G FROM J-BOX IN POLE BASE TO FIXTURE.
8.	REFER TO STAGING DWGS. ALL PHASES WHICH ARE OPEN TO THE PUBLIC PRIOR TO THE COMPLETION OF THE CONTRACT SHALL BE LIT WITH NEW PARKING LOT LIGHTING. CONTRACTOR TO COORDINATE ELECTRICAL WORK, UTILITY SERVICE, AND TEMPORARY POWER AS NECESSARY
9.	ALL ELECTRICAL WORK INCLUDING TRENCHING SHALL BE PAID UNDER THE MAJOR LUMP SUM ITEM "RAIL FACILITY UPGRADE".
10.	LIGHTING POLES TO BE COORDINATED WITH VIDEO CAMERA INSTALLATIONS. SEE SHEET FAS-601.





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DESIGNER/DRAFTER: MD/MB
CHECKED BY: RG
SCALE IN FEET 0 40 80 SCALE 1"=40'

**STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION**



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SIGNATURE/
BLOCK:



VN ENGINEERS, INC
116 WASHINGTON AVE
N. HAVEN, CT 06473
(203) 234-7862

PROJECT TITLE:

**NEW HAVEN-HARTFORD
SPRINGFIELD
RAIL CORRIDOR**

TOWN:

MERIDEN

DRAWING TITLE:

SITE ILLUMINATION PLAN

PROJECT NO.

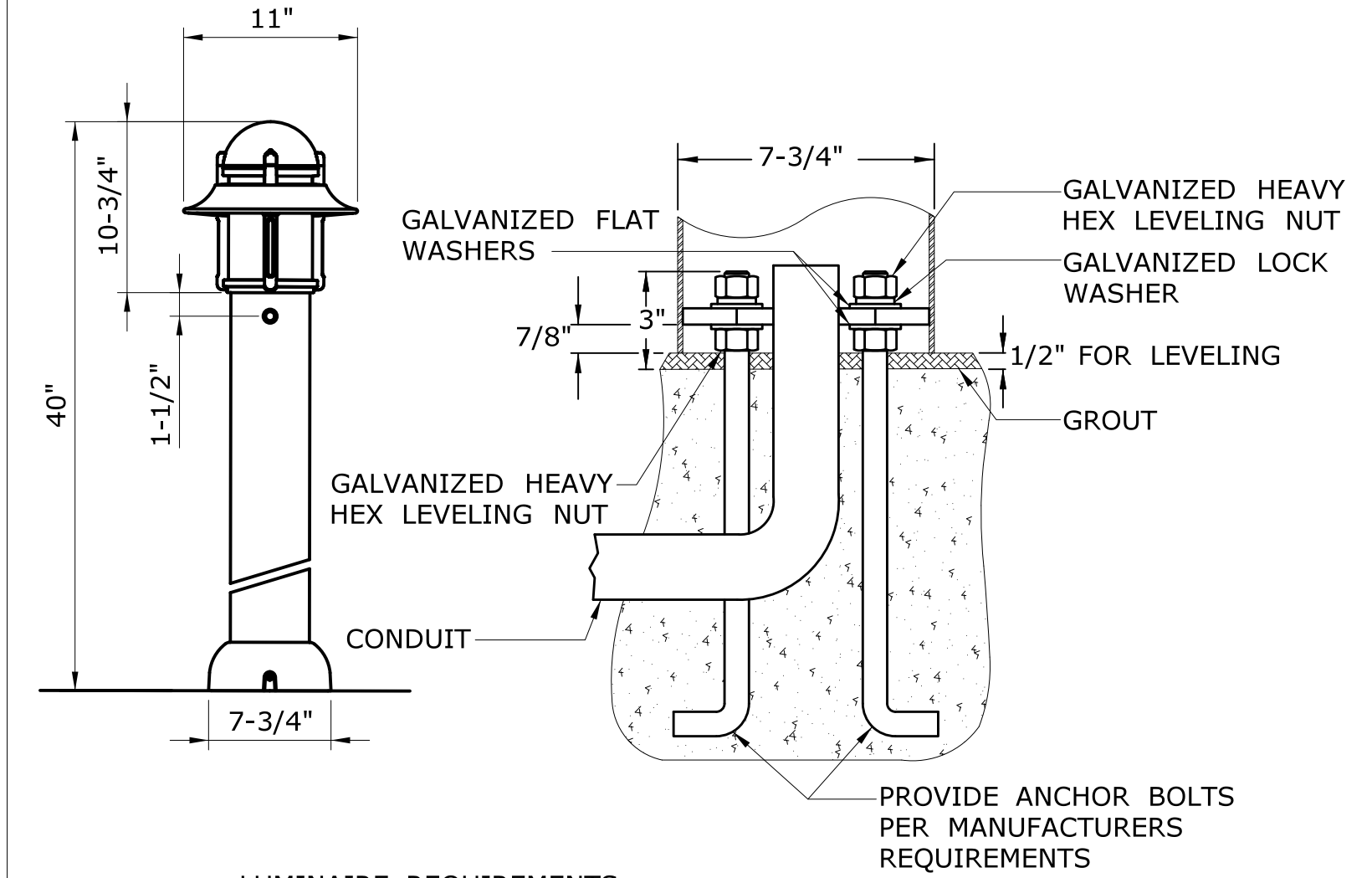
170-2296

DRAWING NO.

SIL-002

SHEET NO.

03.06.003



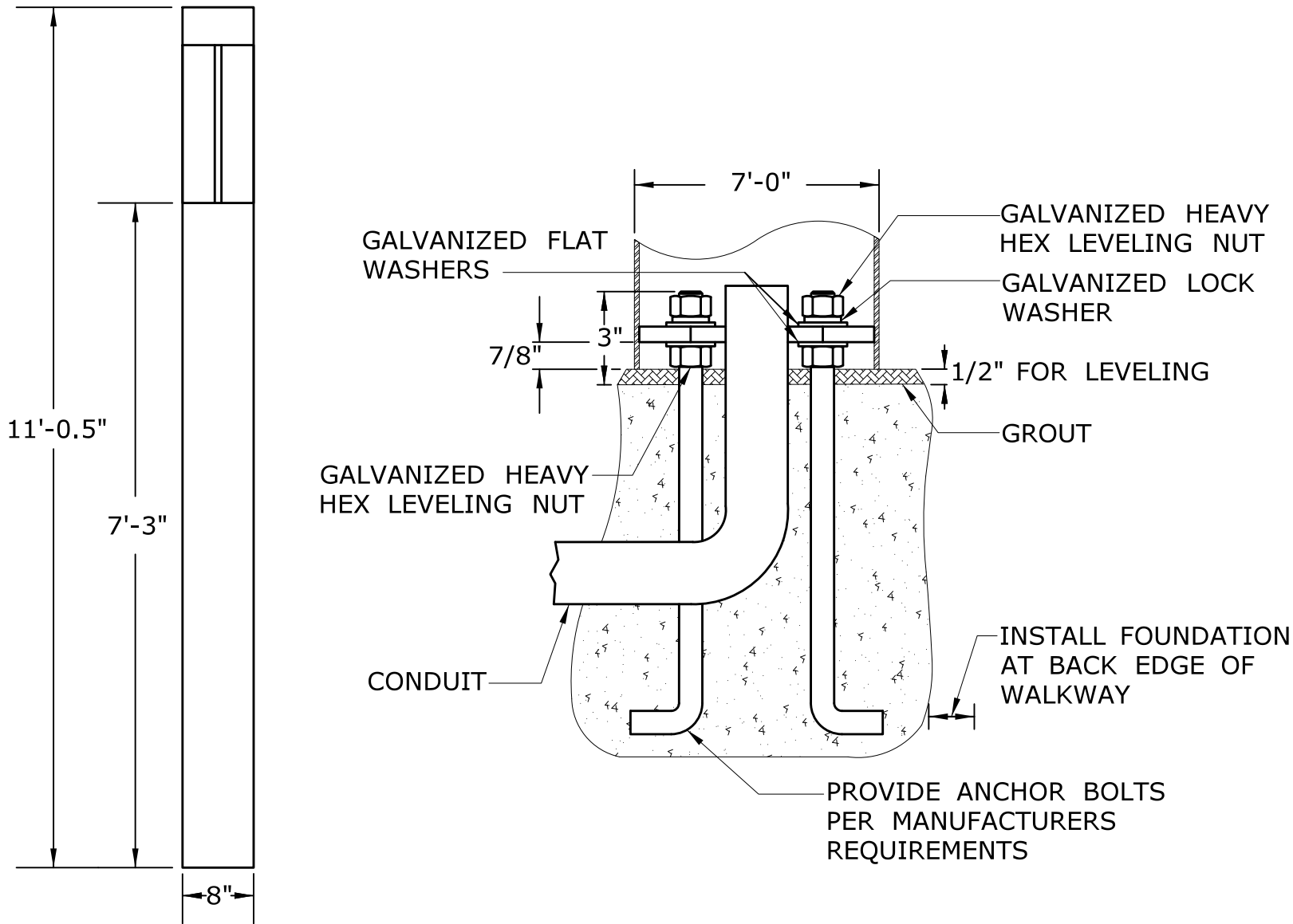
LUMINAIRE REQUIREMENTS

1. FIXTURE SHALL BE CONSTRUCTED OF DIE-CAST ALUMINUM WITH POWDER COAT FINISH TO BE COORDINATED WITH ARCHITECTURAL.
2. FIXTURE SHALL HAVE CLEAR HIGH IMPACT ACRYLIC LENS WITH DIE-CAST LOUVERS.
3. FIXTURE SHALL HAVE A HIGH POWER FACTOR ($\geq .98$) BALLAST WITH COLD WEATHER OPERATION AT TEMPERATURES DOWN TO ZERO DEGREE FAHRENHEIT.
4. FIXTURE SHALL BE UL LISTED FOR WET LOCATIONS.
5. PROVIDE FIXTURES WITH INTEGRAL BATTERY BACKUP WHERE INDICATED.

DETAIL BASED ON LUMEC DOSB1 SERIES OR APPROVED EQUAL

TYPE	LAMP #	LAMP TYPE	INPUT WATTS	VOLTS	MOUNTING
D	1	30W LED	30	277	SURFACE, GROUND

G
I-100
EXTERIOR BOLLARD



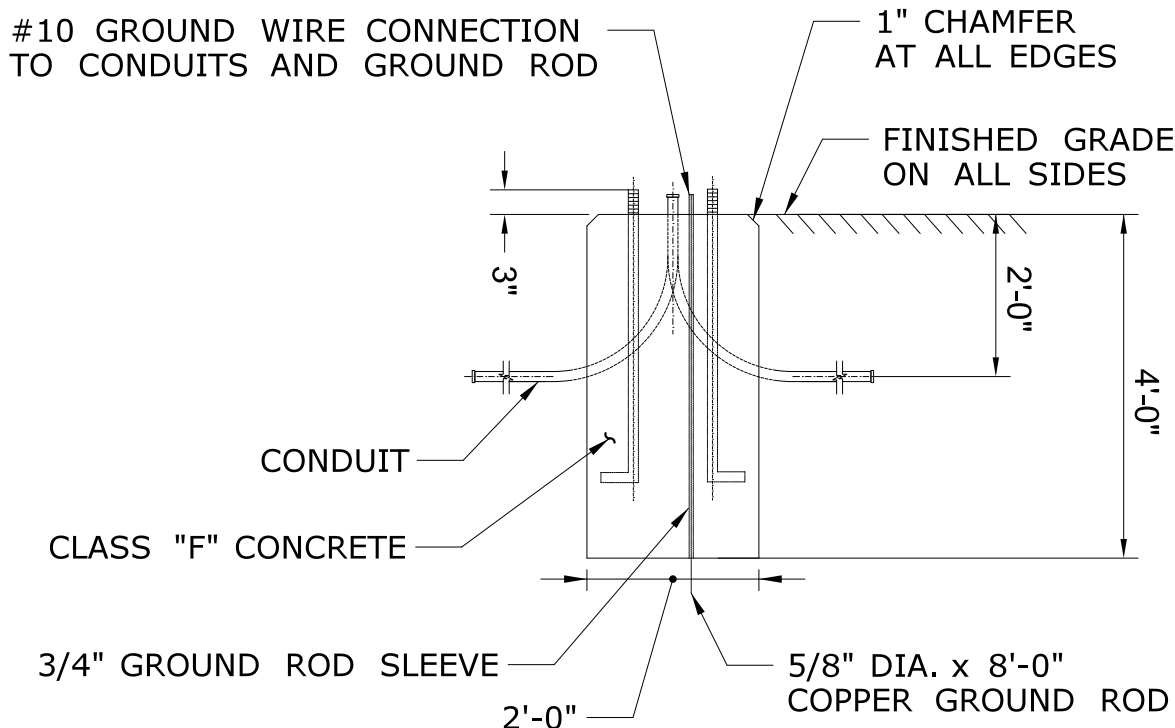
LUMINAIRE REQUIREMENTS

1. FIXTURE SHALL BE CONSTRUCTED OF DIE-CAST ALUMINUM WITH POWDER COAT FINISH TO BE COORDINATED WITH ARCHITECTURAL.
2. FIXTURE SHALL BE A NEMA TYPE 5 DISTRIBUTION.
3. FIXTURE SHALL HAVE A HIGH POWER FACTOR ($> .90$) BALLAST.
4. FIXTURE SHALL BE UL LISTED FOR WET LOCATIONS.
5. FIXTURE SHALL HAVE 180 DEGREE SHIELD TRACKSIDE TO LIMIT GLARE TO TRAINS.

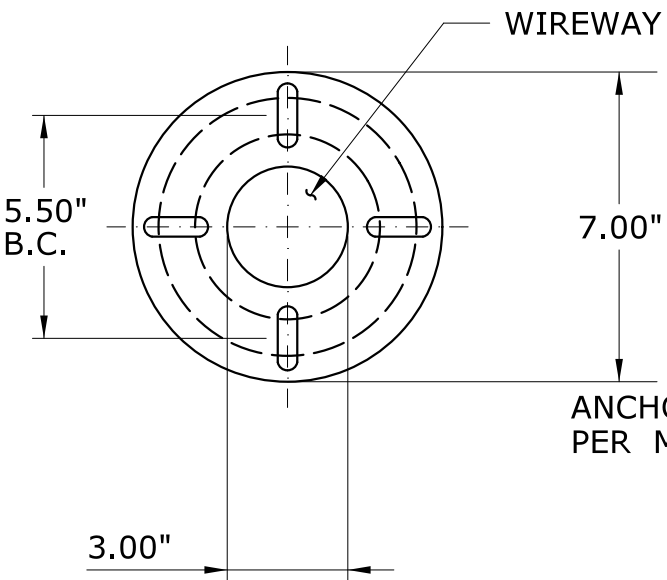
DETAIL BASED ON FORMS AND SURFACES LIGHT COLUMN PEDESTRIAN SERIES 600 OR APPROVED EQUAL

TYPE	LAMP #	LAMP TYPE	INPUT WATTS	VOLTS	MOUNTING
E	4	28W LED	112	120/277 UNIVERSAL	SURFACE, GROUND

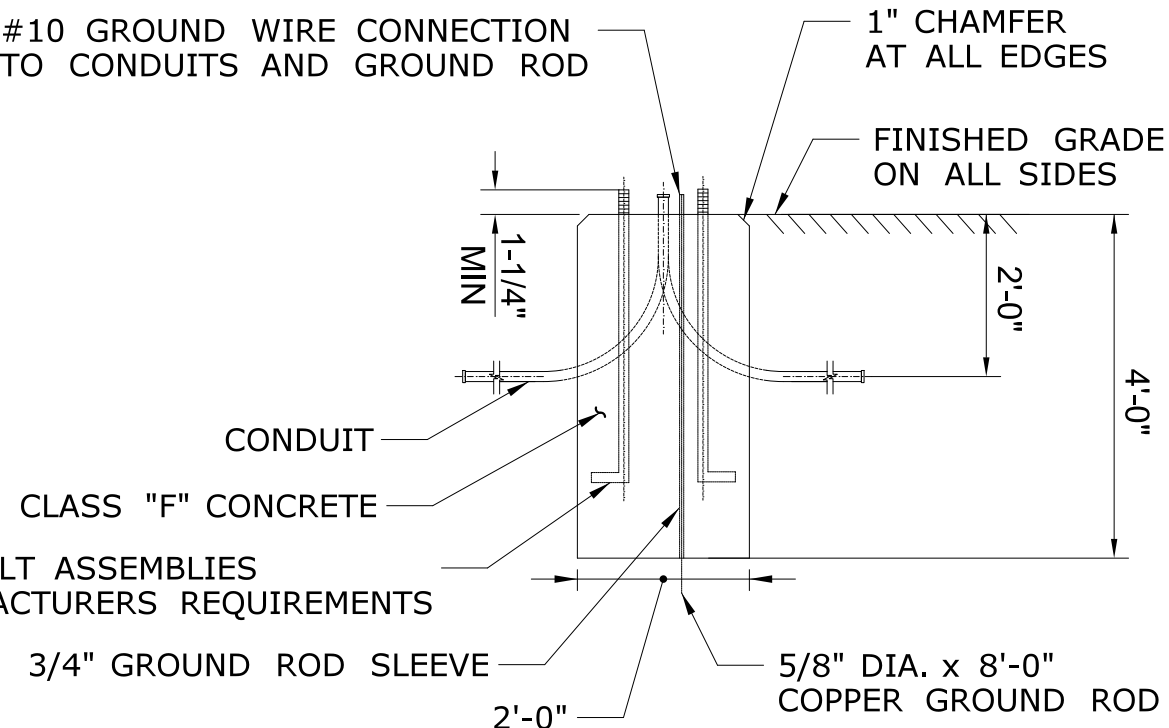
H
I-100
EXTERIOR LIGHT COLUMN



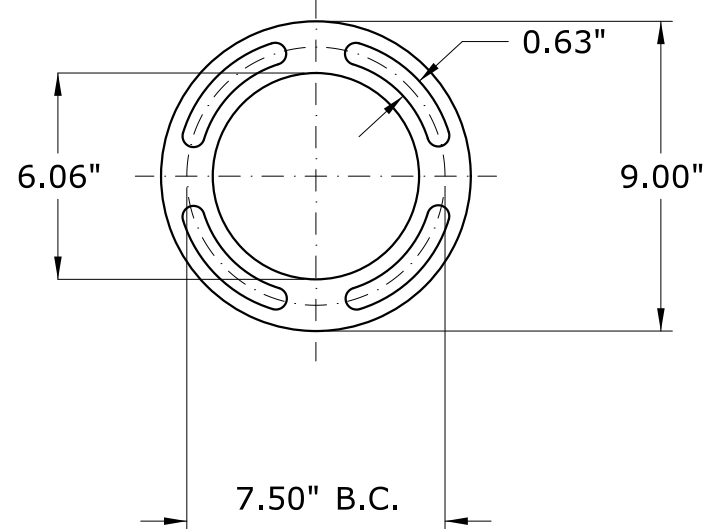
EXTERIOR BOLLARD FOUNDATION



EXTERIOR BOLLARD BOLT CIRCLE



EXTERIOR LIGHT COLUMN FOUNDATION



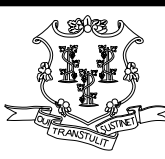
EXTERIOR LIGHT COLUMN BOLT CIRCLE

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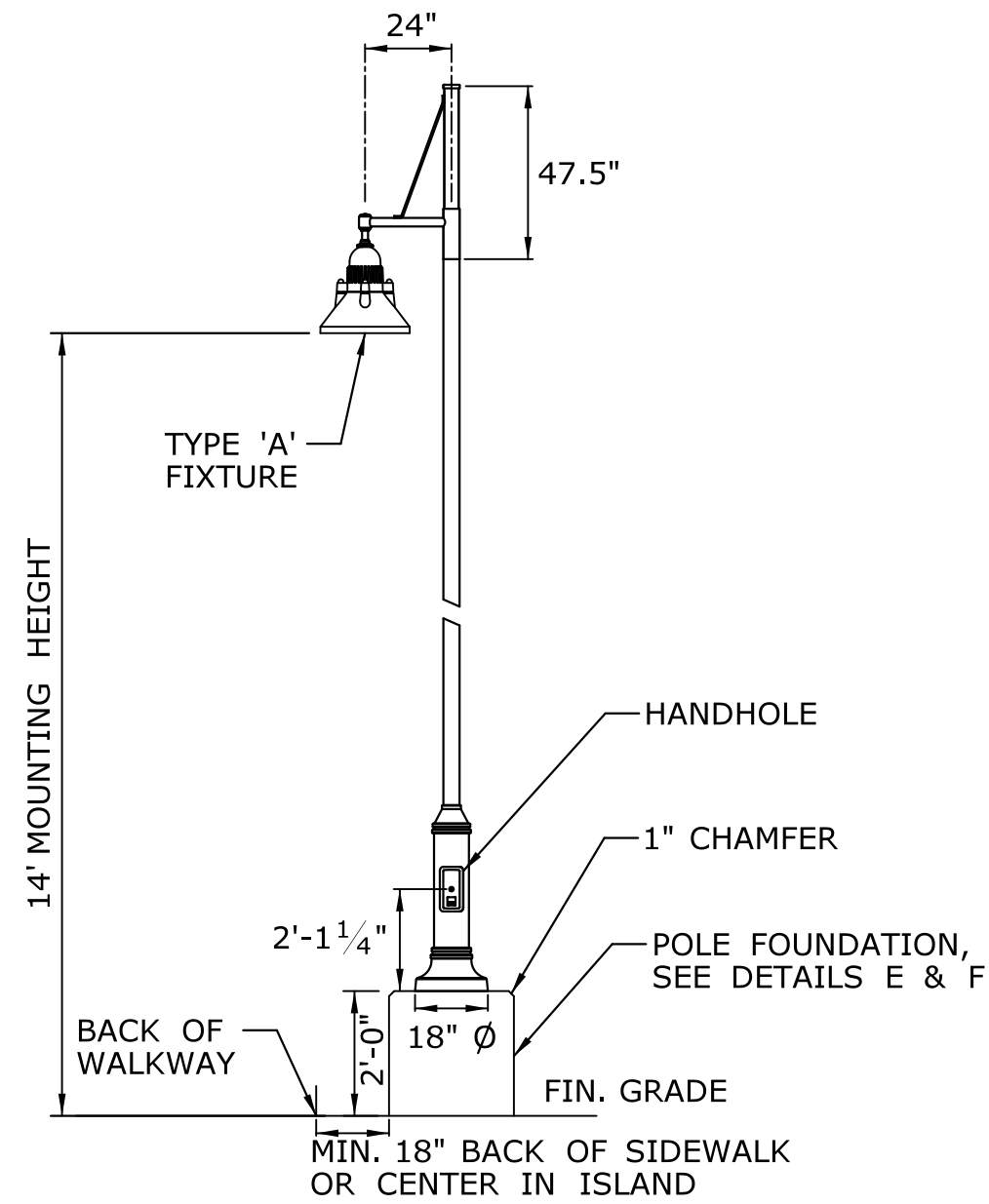
**STATE OF CONNECTICUT**
DEPARTMENT OF TRANSPORTATION
Filename: FA_CON_PDM_0170-2296_007_04_CIV_STAGE_PLN-001.dgn

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116 WASHINGTON AVE
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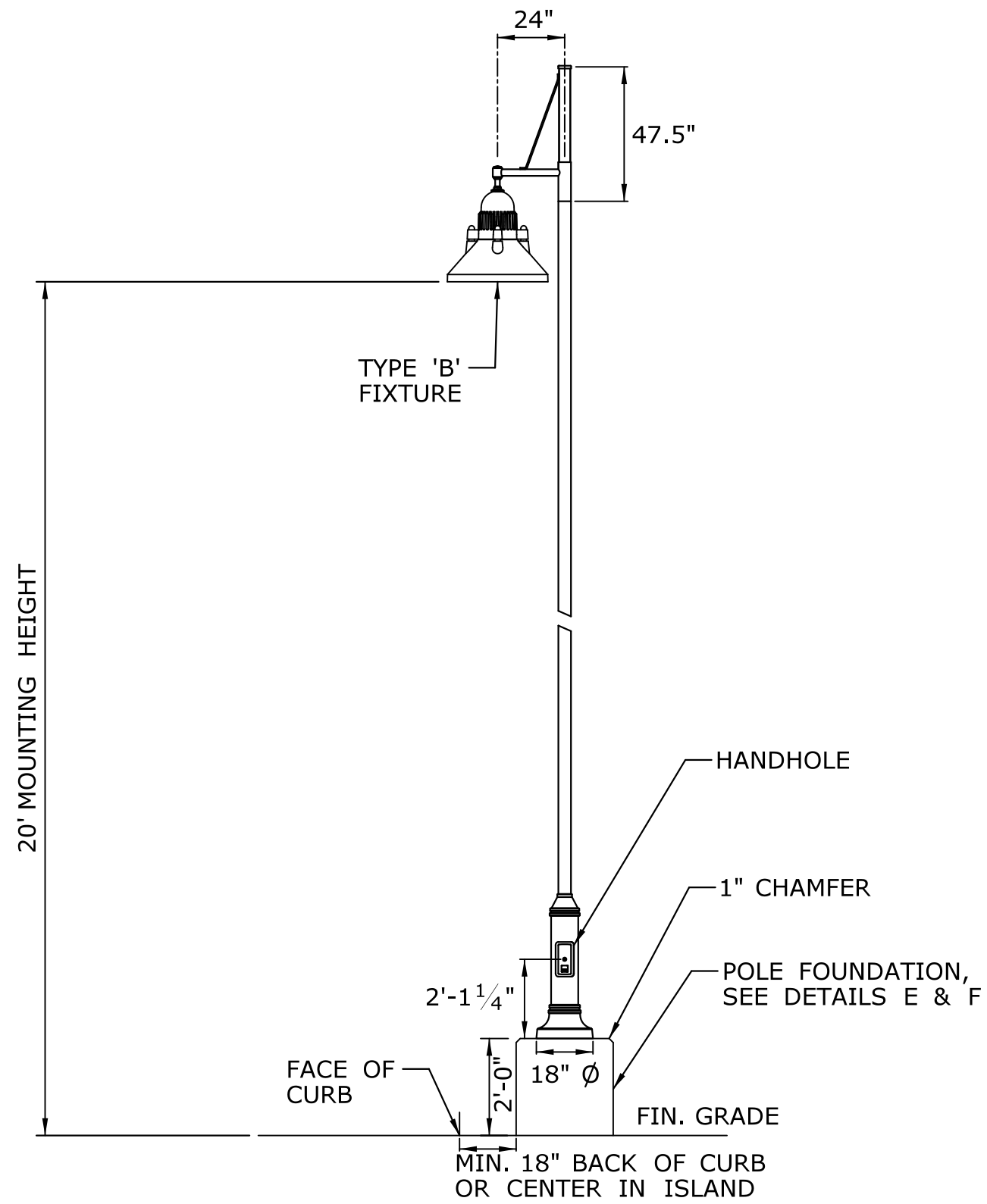
PROJECT TITLE:
**NEW HAVEN - HARTFORD
SPRINGFIELD
RAIL CORRIDOR**

TOWN:
MERIDEN
DRAWING TITLE:
ILLUMINATION DETAILS

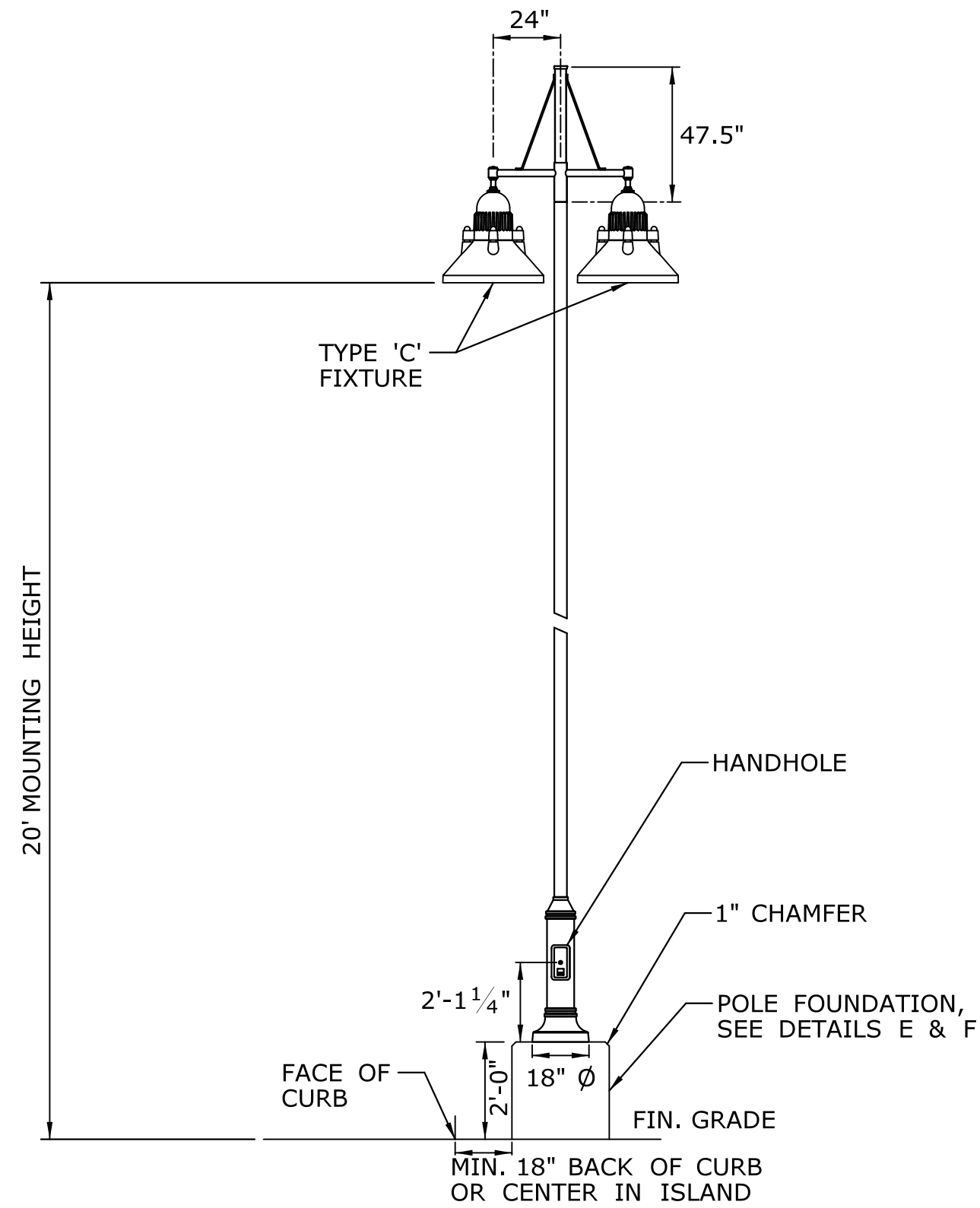
PROJECT NO.
170-3155
DRAWING NO.
SIL-003
SHEET NO.
03.06.004



A
I-100
WALKWAY LIGHT POLE



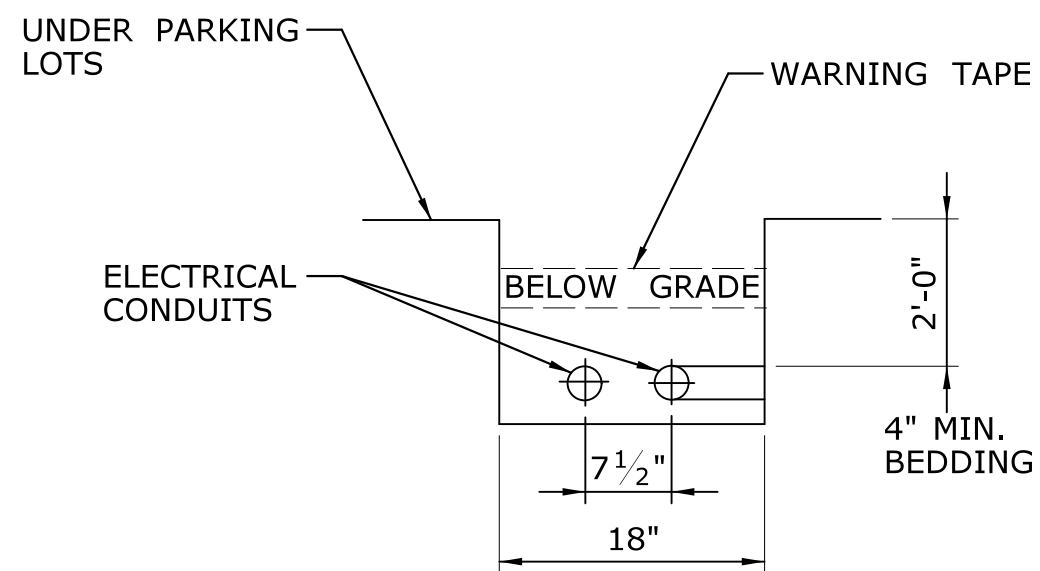
B
I-100
PARKING LOT LIGHT POLE



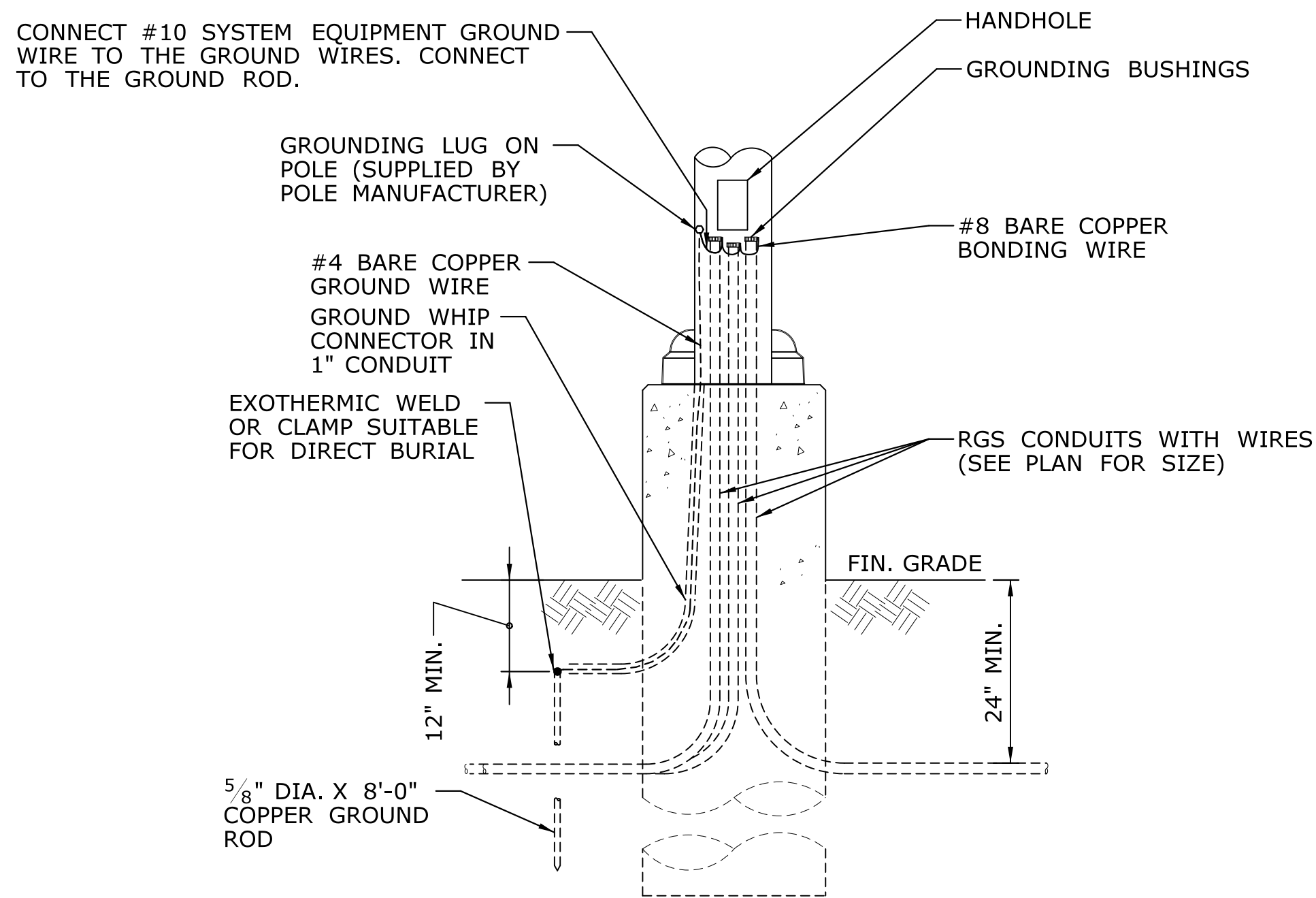
C
I-100
PARKING LOT LIGHT POLE

NOTE: WARNING TAPE SHALL BE CONTINUOUS "RED" TAPE PRINTED TO READ AS FOLLOWS

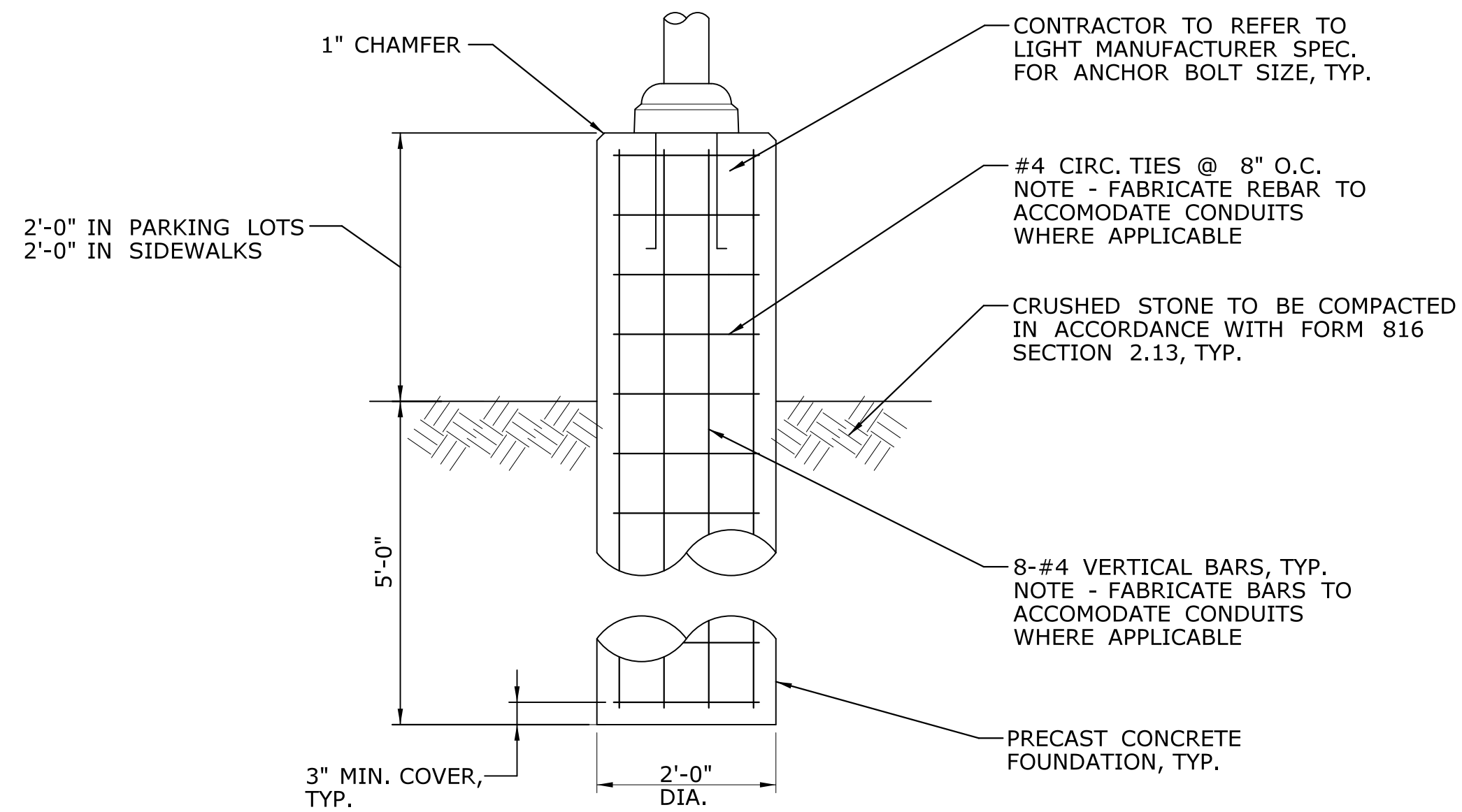
**BURIED ELECTRIC CABLES BELOW
-480/277 VOLT FEEDERS -**
(FOR LOW VOLTAGE DUCTBANKS PROPER VOLTAGE SHALL BE INDICATED)
WITH WARNING MESH BELOW WARNING TAPE (LINE MARKER)



D
I-100
TRENCH DETAIL



E
I-100
POLE WIRING & GROUNDING





F
I-100
POLE FOUNDATION

-	-	-	-
-	-	-	-
-	-	-	-
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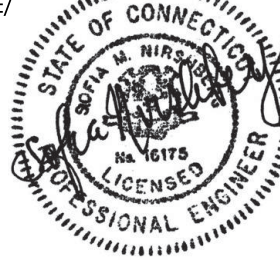
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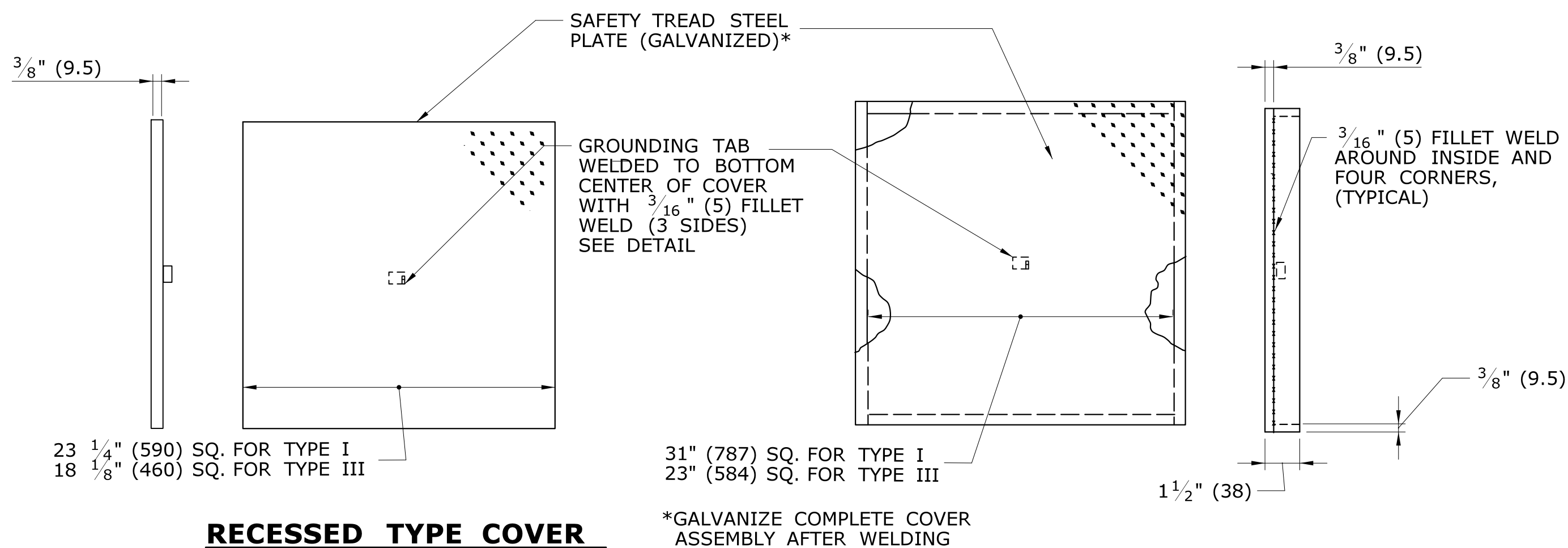
SIGNATURE/
BLOCK:

**VN ENGINEERS, INC**
116 WASHINGTON AVE
N. HAVEN, CT 06473
(203) 234-7862

PROJECT TITLE: NEW HAVEN - HARTFORD SPRINGFIELD RAIL CORRIDOR

TOWN: MERIDEN
DRAWING TITLE: ILLUMINATION DETAILS

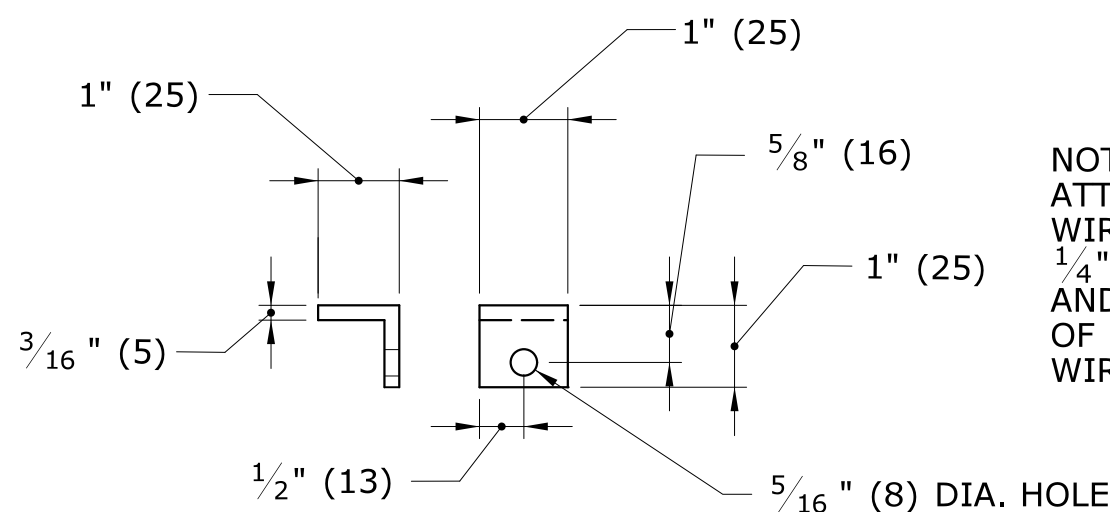
PROJECT NO. 170-3155
DRAWING NO. SIL-004
SHEET NO. 03.06.005



RECESSED TYPE COVER



RECESSED COVER TO BE USED IN MEDIAN,
IN PAVEMENT, IN SIDEWALK, OR WHERE
INDICATED ON PLANS.

OVERLAP TYPE COVER



NOTE:
ATTACH 72" (1830) LENGTH OF NO. 8 GROUND
WIRE TO GROUNDING TAB WITH ONE HOLE LUG,
1/4" (M6) x 3/4" (20) LG. SST HEX HEAD BOLT,
AND SST FLAT WASHER. ATTACH FREE END
OF GROUND WIRE TO NO. 8 BARE GROUND
WIRE IN HANDHOLE.

STEEL GROUNDING TAB

-	-	-	-	-	THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.	DESIGNER/DRAFTER: MD/MB CHECKED BY: RG SCALE AS NOTED	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	 VN ENGINEERS, INC 116 WASHINGTON AVE NEW HAVEN, CT 06473 (203) 234-7862	PROJECT TITLE: NEW HAVEN - HARTFORD SPRINGFIELD RAIL CORRIDOR	TOWN: MERIDEN	PROJECT NO. 170-3155
-	-	-	-	-						DRAWING NO. SIL-005	
-	-	-	-	-						DRAWING TITLE: ILLUMINATION DETAILS	SHEET NO. 03.06.006
REV.	DATE	REVISION	DESCRIPTION	SHEET NO.	Plotted Date: 2/4/2014		Filename: FA_CON_PDM-0170-2296-007-04_CIV_STAGE_PLN-001.dgn				